

Mohave County Miner

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ARIZONA-BUTTE COMPANY'S MILL IS IN OPERATION

(From Wednesday's Daily Miner.)
J. E. Leeper and Don N. Stewart went out to Stockton Hill Sunday to look over the Arizona Butte Mines company's new mill and witness the first work of the plant. The mill has been placed in commission and is being tried out on a fine grade of ore. It will handle about 200 tons of ore daily, but its capacity will not be reached for some time.

A few days ago the mine and mill were visited by L. M. George, Vincent Fortune and Anson H. Smith. They found the plant almost ready for work, the various sections being tried out. In the bunkers at the mill were many tons of fine lead-zinc ore. This ore was said to have values of better than 40 per cent in combined lead-zinc content. It also carried about \$10 in gold and 6 to 8 ounces in silver. Ten stopes of ore had been opened on the tunnel level of the Banner mine and from this level thousands of tons of splendid milling ore is being taken. Aside from the mine ore there are many thousands of tons in the dumps.

CAMP'S FIRST LEASE WORKING PLACER DIRT

(From Oatman Section Daily Miner.)
The first lease in the camp has started operations. It is on the Warner group and is a placer proposition. The leasers have struck good pay gravel already in three gulches and are taking out money that represents considerably more than wages, and as yet they are not prepared to work systematically.

Good pay has been found in the old workings of the property. The first and second small gulches to the south likewise have been prospected and pay of the same character has been found there.

Having succeeded so well the leasers are now engaged in trying for water, with which to rock their dirt and obviate the difficulty of dry-washing. That difficulty is in separating the gold from the large amount of iron associated with it. They are sinking a shaft for water on the claims of the company and with that found or not they will proceed to take out and extract the gold from their pay dirt. The leasers are Jack Campbell, Joe Spencer and Mr. Power.

REGISTRATION OF VOTERS OF COUNTY

(From Saturday's Daily Miner.)
Following is a list of the registrations of the various precincts up to the time of the closing of the register, September 1, 1916:

	Total regis-tered	Can-celled	Net regis-tered
Kingman	946	41	905
Oatman	867	38	829
Chloride	389	22	367
Goldroad	125	8	117
Golconda	106	4	102
Hackberry	113	5	108
Old Trails	67	4	63
Owens	50	2	48
Trout Creek	50	2	48
Frisco	41	..	41
Yucca	87	12	75
Littlefield	36	..	36
Copperville	27	1	26
Wallapai Spgs.	20	..	20
Mineral Park	22	1	21
Keohan's Ranch	12	1	11
Short Creek	33	..	33
Grand Gulch	13	..	13
Signal	17	..	17
Cyclopic	10	..	10
Williams Tungsten	16	..	16
Whitney	5	..	5
Yucca Tungsten	18	..	18
Fort Mohave	7	..	7
Peach Springs	8	..	8
Stockton Hill	10	..	10
Cerbat	19	..	19
Music Mountain	7	..	7
Glenwood	9	..	9
Times City	14	..	14
Brownsville	21	1	20
Secret Pass	11	..	11
Topock	4	..	4
Moccasin	12	..	12
Total	3,193	142	3,051

WERDEN RETURNS FROM COAST CITY

(From Oatman Section Daily Miner.)
A. C. Werden has returned to Goldroad after three weeks at San Francisco on business connected with the Gold Ore and the Moss properties. He has a mill project for the former. Several of them have been considered in part, but the exact nature of the present one has not been divulged.

In regard to the Moss it is learned from San Francisco sources that two engineers will be here during the next week to examine the property and, if reports are verified, there will be something important to announce with reference to it. It is known that the reports given are most conservative, hence there seems no reason for an expression of doubt as to the outcome.

AUTOIST NEARLY LOSES HIS CAR

(From Saturday's Daily Miner.)
Frank Stitzer, on his way to Kingman from Oatman yesterday in his car, was caught in the heavy rain storm. In attempting to cross the 13-mile wash which was filled with water his car narrowly escaped being wrecked. The bank was washed away on the east side and the car, unable to pull up the grade, became stalled. The water poured over the car and washed away many articles in it. After the water had subsided another automobile towed his car to town. It was found that it was not badly damaged beyond being filled with sand. Several other autoists had similar experiences some of the cars being slightly damaged by boulders.

DRY WASHER WILL BE USED IN YUMA COUNTY

(From Oatman Section Daily Miner.)
The rich placer deposits of La Paz, in Yuma county, are to be worked on an extensive scale, in addition to the operations now in progress there through the agency of an invention, a dry washing machine of an Oatman man, Emil F. Busse, who has been employed here for nearly two years as a carpenter. For ten years he has been perfecting his invention, for which he has held a patent for seven years.

REBEKAH LODGE WILL GIVE GRAND BALL SOON

(From Saturday's Daily Miner.)
The Rebekah Lodge is to give a grand ball September 20th. Committees have arranged to give the dance and supper in the Elks' building and have engaged the reception rooms of the Odd Fellow building, for card playing and other amusements for those who do not care to dance. The committees are working hard to make the affair a success and it is very probable they will be well rewarded.

DAVIS GARRETT, MINER, CROSSES GREAT DIVIDE

(From Saturday's Daily Miner.)
Davis Garrett died yesterday at Gold Basin, where he had lived for many years. He had been identified with mining business his entire life. He was a sufferer from cancer, which was primarily the cause of his death. His remains were taken to Hackberry where interment will be made today. The deceased was the father of Mrs. W. L. Kayser of Hackberry.

SECURES ENGINE

The Arizona Butte Mines company received yesterday the second 75-horsepower semi-Deisel engine ordered from the Arizona Engineering company.

CUTS THROUGH STRINGER

The Arizona-Central shaft has cut through the stringer that was exposed at 365 foot point recently. It showed some values, but not large. Its width was over six feet.

MRS. LATHRAP DEAD

Mrs. F. H. Lathrap, wife of the manager of the Arizona Brokerage company, died a few days ago at Oakland. Mr. Lathrap was at her bedside but their two sons, Lloyd and Earl, who were in Oatman, were notified by wire.

ARIZONA COPPERFIELDS, INC. HAS VERY PROMISING FUTURE

(From Wednesday's Daily Miner.)
The approaching visit of the recently appointed consulting engineer of the Arizona Copperfields, Inc.—a man of international reputation—to the property of the corporation at Gross Springs in the Cerbat range of mountains—about 15 miles north of Kingman, for examination purposes, is fraught with the greatest importance to the people of Mohave county, as a whole, and particularly those of Kingman, the supply point of the many mining camps of northwestern Arizona.

Being familiar with the holdings of the Arizona Copperfields, Inc., the writer has no hesitancy in predicting that the report, which the engineer referred to will make after a thorough inspection and sampling, will be highly favorable. The property possesses all the earmarks of a gigantic disseminated porphyry copper deposit. It is practically certain that the examining engineer will be so thoroughly convinced of the merits of the holdings of the company that he will recommend its further development on a churn-drilling scale, followed by steam shovels, the modus operandi of most of the other big porphyry copper properties of the West.

It is known that at least two of the big copper interests sought to acquire control of the holdings now held by the Arizona Copperfields, Inc., after their engineers had made exhaustive examinations and prepared reports recommending its purchase in a manner that left no doubt as to their sincere belief that with thorough development the property would develop into one of the greatest disseminated porphyry copper propositions thus far discovered. The stock of the Arizona Copperfields, Inc., is steadily advancing on the New York curb and it is not unlikely that it will reach the \$10 mark in the not far distant future.

The potentialities of the undeveloped acreage, as indicated by the partially-developed 16 acres, may readily be appreciated by a comparison with Utah Copper, the leader among the porphyries.

Utah Copper has developed a total of 390,000,000 tons of ore averaging 1.446 per cent copper on 226.3 acres. This is 1,723,000 tons per acre.

If Arizona Copperfields' tonnage persists to the same depth as that of Utah Copper, the 16 acres alone have possibilities of close to 28,000,000 tons, without taking into consideration the remaining 304 acres of the company's territory.

If the ore on Arizona Copperfields' entire acreage should persist to the same depth as that on Utah Copper, namely, 549 feet, it would make even a greater mine than Utah Copper is at the present time, on account of the greater acreage.

The foregoing figures of the big porphyries represent possibilities that lie directly ahead of Arizona Copperfields, which is only in its infancy. These properties were not made in a day and it is not expected that Arizona Copperfields will develop into a phenomenal producer overnight, but under active development it should prove the equal of any of the great porphyry producers.

Comparing the market value of the issued capitalization of Arizona Copperfields, Jerome Verde, which is yet a prospect, although it has every expectation of turning into a big producer, is selling at a valuation of \$7,500,000, while Green Monster, also of the Jerome camp and without any ore as yet, is selling in the market at a valuation of \$2,700,000. Green Monster and Jerome Verde are highly meritorious. But they have no demonstrated ore reserves on which to base any valuation, and therefore they can hardly be compared with an issue like Arizona Copperfields. A new campaign of development on big lines is about to begin, and soon it should be apparent that Arizona Copperfields compares with any of the big porphyries. The ore showing has been described by high authorities as "the biggest discovery in the state of Arizona in years."

Arizona Copperfields, Inc., has been in existence for only two months. The company took over more than 89 per cent of the capital stock of the Copperfield Porphyry Mining company, owner of six mining claims in the foothills of the Cerbat range in the

Wallapai mining district, Mohave county, Arizona, and two miles from the Chloride branch of the Santa Fe railroad. It also purchased 13 additional claims in close juxtaposition. The two tracts of ground are of 120 acres and of 200 acres, respectively. The company was able to acquire the control of the Copperfield Porphyry Mining company for the sole reason that the controlling owners had reached the end of their resources in developing the property. Practically all of the development work done to date has been confined to 16 acres of the 120-acre tract.

It is a remarkable fact that with little or no means and at the expense of only a very small sum, which was raised almost entirely locally, a tunnel was driven, two shafts were put down, and two drill holes, and that with this modest amount of exploration every working was bottomed in ore and a reserve indicated of 2,500,000 tons of ore, of 1.85 per cent copper, equivalent to 37 pounds of copper per ton of ore.

Multiplying this by the possible tonnage gives a total of 92,500,000 pounds of the red metal. On the basis of the ordinary working cost and a 15 cent copper metal market, this would represent a net profit of \$7,500,000, equivalent to \$2.50 per share on the entire 3,000,000 shares of Arizona Copperfields outstanding. On a 25 cent copper market, such as has been ruling for many months past, the total profit in this tonnage of ore would be increased to \$15,750,000 equal to \$5.25 per share on the company's outstanding capitalization.

The company was organized for the purpose of carrying out a comprehensive development program in order to bring the property to the productive and dividend-paying stage.

The entire property will be divided into squares of 200 or 400 feet, and drill holes will be put down at the corners to whatever depth the ore body persists.

The drilling operations will be checked up by means of shafts and crosscuts to verify the results, after which the capping, or low-grade material, which covers the ore body for a depth of from 2 to 50 feet, will be stripped by means of steam shovels, which will be used later in the actual mining of the ore.

When developments have proceeded to the proper point metallurgical tests will be made to determine the type of mill best adapted to the extraction of the copper-bearing mineral from the ore at the lowest cost. From preliminary developments the indications are that one of the well known flotation processes which have been so successful at the Inspiration, the Miami, and other big porphyry producers will be adopted.

Arizona Copperfields enjoys a distinct advantage over the other porphyries in the early stages of their development in that it will have the benefit of the advances that have been made in the metallurgy of copper ores.

From this outline of the various steps in the proposed development of the Arizona Copperfields, which will be similar to the method pursued in the development of other porphyry properties, it will be seen that it requires a long time to bring one of these properties to the producing stage. However, the market history of all the big porphyry coppers is alike, in that there is a gradual advance in the price of the issues as mine development proceeds and the properties approach the producing stage.

The Rockefeller interests recognized the value of the big porphyries when the Anaconda Copper company, the largest copper producer in the world, acquired a big interest in the Inspiration Copper company. The Morgans are heavily interested in Kennecott, which in turn owns a big interest in the Utah Copper company, the largest porphyry copper producer in the world and of which the Nevada Consolidated, another big porphyry, is a subsidiary. It is no exaggeration to say that the larger portion of the fortune of the Guggenheims was made in Utah Copper. True, the Guggenheims had a great many millions before they undertook to finance Utah Copper, but the returns from this investment have probably several times exceeded their former fortune. The names of D. C.

CRUDE OIL TANK AT IOWA EXPLODES

(From Oatman Section Daily Miner.)
An explosion of a tank of crude oil occurred yesterday during the noon hour at the Iowa property. It created an immense volume of smoke that could be seen from Oatman and it rose high above the surrounding mountains. Outside of the loss of the tank and several hundred gallons of oil, no harm was done.

A driver of a truck-tanker went there to siphon some more oil into the tank. He sat down near by to eat his lunch when the top of the tank blew off and flames went high into the air. His escape unharmful was nothing short of miraculous. He had a tank load intact on his truck which he afterward took up to the shaft and it was put into barrels, so that the mine is not short of fuel and will not have to shut down.

H. Burley, the superintendent, left during the afternoon for Los Angeles.

NELLIE'S NEW PLANT ONE OF LARGEST HERE

(From Oatman Section Daily Miner.)
When all of the units arrive and are assembled, the Nellie mine will have one of the most powerful and most complete mechanical plants in the district.

A 600-cubic foot compressor was shipped Tuesday from Chicago. It will furnish the air for six drills. A 100-horsepower engine to drive the compressor and Cameron sinking pump has been ordered and is on the way. This is a result of a visit to the coast of Manager H. E. Woods and Superintendent D. F. Meiklejohn, from whence they have just returned.

There is now being installed a 200-gallon per minute at 400 feet Cornish pump, and a 55-horsepower engine which will drive it. A 40-horsepower hoist is on the ground and running.

This makes a total horsepower of 195 that the Nellie will have when all the items are here. Mr. Woods states that for the country, the amount of water and the vast amount of work his company will do, it is not too much. With the placing of this machinery the mine will work three shifts and will be one of the big operators of the district.

It is the nearest neighbor of the Black Range and with both resuming it will make the southern end of the camp seem like old times.

WORK STARTED ON CLAIMS OF WALLAPAI METALS

The Wallapai Metals company has started development work on its property about 14 miles east of Kingman near the Telluride Chief and the Enterprise mines. Walter Burkhardt is in charge of the work, which will include the sinking of a shaft to a depth of 200 feet. A hoist will be installed at once.

The company has been financed by the same interests identified with the Leviathan Mines company, operating in Deluge Wash.

NEW GOLDRoad HILL ROAD NEARLY COMPLETED

The cut on the top of Goldroad hill is almost completed and before many days that part of the new road will be in commission. At present a part of the old road and a part of the new are being used but it will not be long before all of the new road will be open for travel. Although soft the road is now easily negotiated in second gear by nearly all makes of cars. The road when completed will be one of the best pieces of work in the county and will be a credit to the men responsible for its construction.

W. G. Gruninger is building an addition to one of the houses of L. J. Lassell on Beale street.

J. B. Wright has completed a foundation on East Pine street to which he is moving the old Methodist church structure he recently bought.

Jackling, the Lewisohns, Seeley Mudd, Hayden, Stone & Co., Phelps, Dodge & Co., and numerous others who have carved their fortunes out of porphyry copper producers are well known to the general public.

MAN FOUND DEAD ON DUMP OF THE GOOD DAYS' MINE

Returning prospectors from the vicinity of the Mocking Bird mine yesterday reported finding the body of a young man lying on the dump of the Good Day's property with a bullet hole through the left eye. Coroner Lisle-rude hurriedly empaneled a jury and departed for the scene of the tragedy.

Upon their arrival at the spot indicated they found the partially decomposed body of a man supposed to be that of Frank McCoy, a well known prospector of Nevada. The only evidence of the identity of the self-evident suicide was a receipted bill from a mercantile house in Nevada made out in the name given. A revolver was lying beside the body and it was apparent to the jury that the unfortunate man had taken his own life. A verdict of suicide was rendered and the body, owing to its condition, was buried at the spot where it lay.

The only marks of identification was the tattooed shield of the United States on one arm with the word "Manila" beneath, which was taken to indicate that the dead man had once been in the government service either as a sailor or soldier.

When the clothing on the body was searched \$20 in money was found in the pockets. The unfortunate man was between 30 and 35 years old and about 5 feet 9 inches tall. Several old Nevada prospectors in Kingman knew McCoy, but there are some who believe that the body is that of Frank McClure, who answers the description and who was in the army at Manila.

BLACK RANGE CONTROL PASSES TO M'NEALS

(From Oatman Section Daily Miner.)
Details of the transfer of control of the Black Range company to E. McNeal & Co., Chicago brokerage firm, are en route from that city by mail and should be here in a day or two. It is learned from meager wire information to Mitchell Carter, manager of the Oatman Investment company, that such deal has been made and that D. P. Wright, former chief owner and manager, is on a visit to his old home in Tennessee, where he will remain but a few days before returning.

The property will start in a very few days and add to the resumption activities of the fall that are showing on all sides.

GOLCONDA PLANT READY FOR WORK

(From Oatman Section Daily Miner.)
During the past week, whirlwind activity has prevailed at the Oatman Golconda. The big plant is about ready to turn over and the development and opening of another mine for the Oatman section will soon be under way.

The installation of the machinery by William Lorenson of San Francisco, under supervision of Superintendent D. F. Meiklejohn, is complete in every respect. The equipment consists of a 100-horsepower engine, 600 cubic foot compressor and large hoist. Water is supplied from the company's own pumping plant at the foot of Golconda hill.

The veins of the Golconda pass through the Pioneer, Boundary Cone and Gold Dust, finally burying themselves to the east in the Lexington where an important strike was recently made. Some very rich ore has been extracted from the Golconda in the past.

WRIGHT COMING BACK

D. P. Wright, manager of the Black Range, is en route home from Chicago whither he went on a summons of E. McNeal & Co. The results of his trip are unknown here. It is known, however, that he went in response to an offer for the controlling interest in the company and that he thought enough of the offer to start thence within a few hours after receiving it by wire.